

EXHIBIT 5

no softening since 2007

old lime in bins - Youngs to remove

Westech making recommendations for lime softening

Softening will be challenge

July 8 - start plant run

run for 4 weeks

18 mgd

check filter loading to see how much alone

18 mgd - push to 36 mgd?

what is overflow capacity / structural load,

chlorination limited 20 mgd

test run Sludge to Bray Road

Steve - chemicals need to be MDEQ approved

100% off river - interim plan

DEQ - concern about quality monitoring of

river / DWSD comingled lead/copper

city waiting for DWSD

- October to determine sunk costs

- new rates in Jan-Feb

survey now - actual capacity properly

hydraulic collection out of reach to

filters → 36 mgd

EXHIBIT

Redding 14

exhibitsticker.com

DEQ desires hydraulic test to 400psf
- but plant can't get that much out

combined City/County MDD 40.5 mgd

Bloomer - no regulatory required - local

- get below 150

- take out CO₂ headwaters only

What to do with sludge

320,000 gallons sludge/week

19,000 ^{lb}/hr if pressed

200 T/week dry

CO₂ and Non CO₂

Bloomer suggests geo ~~table~~ tube/land app

Warren - Rehab thickness available

- Stone in del basins at WTP

Gavran/tracemey - no lawsuit between

~~regulatory~~ EFM's

and? (not CO₂)

- Oxygen storage 30 days

- Surteligan

- high service pump

- hydraulic bellows - 8" pipe

- dirt reservoir?

- emergency interconnect

- CT

- ~~not~~ electrical

Steve - prefers onsite power backup
in lieu of redundant

cler at WTP ozone - 747

KWA in at NE corner?

Rob Borge - knowledgeable about piping on
site

Flint - emergency backup to GCDC \rightarrow 24 mgd
40 mgd MDD - holds continuous

GCDC - avg 13 mgd

Flint MDD = 18 mgd

GCDC MDD = 24 mgd

chemical feed - design for Flint MDD = ~~18~~²⁴ mgd

Qingfu city = 14 mgd

recent avg = 12 mgd

minimum day = 7.07, 9, 11 use 7

turbidity 0.10 avg 0.30 max goals

hardness - goal below ~~100~~ 150

crypto - 3 log inactivation

whent temp - 0.5°C

Glandon - 3 log

virus - 4 log

WTP - 1st customer

\rightarrow achieve goals before
high service

TAM HAAC - running sample/ less than 60?
only pending regulations?

Long term LTZ mention

should be in top tier BIA
not impacts to Lake Huron

Short Term

- lead & copper - more sites?

Lake Huron

No schra - remove in 1/2 day

high source - address

low source

no UV

emergency interconnect

DEQ - no issue with CL gas

Fluoridation?

MDEQ - KWA is best available source

Operation

1 Person / 2 operators w/o softies

1 Person / 3 operators w softies

3 - 8 hour shifts planned

will county share costs for WTP plant run?

- chemical feed / labor / engineering